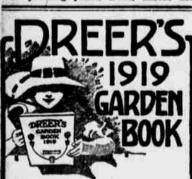
# TRIM FRUIT TREES WHEN PLANTING—SMALL GREENHOUSES

### Experts Disagree as to Best Methods of Pruning---One Opinion as to Grapes

For a medium height head, take fruit trees, excepting peaches, just as they come from the nursery and trim the branches that are to be left for the future framework of the tree, cutting back about half the young growth, "cutting to a bud"—a sianting cut, just above the bud. Remove entirely all branches not wanted to form the framework of the tree. For a high head, trim off all branches except the fullest or central one, which will be the "leader"; cut this off at whatever height the future head is to be. If a height the future head is to be. If a low headed tree is wanted, cut it off at very low headed peach tree is wanted

those who advocate cutting every branch of the new tree right down to ples, pears, plums, cherries and quinces all branches should be cut off close to the trunk that are not wanted for the framework of the tree. How these that are left should be trimmed is much Some advocate very close trimming, but I am inclined to think that at least half the length of the branches that are left for framework may be left on the tree, and I have seen instances in apples and pears especially where they did better if these branches were left uncut.



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CLIMBERS—American Pillar, pink; American Beauty, red; Mand'a Triumph, white; Gardenia, exquisite yellow; RAMBLERS—Crimson, pink, red, white. Gardening Manual FREE with each order, ROSE SPECIALISTS.

HORTICULTUR L GARDENS Unadilla, N. Y.

low headed tree is wanted, cut it off at whatever height it is desired the head to form.

There is a wide difference of opinion among good fruit men as to the best way to trim a newly planted fruit tree way to trim only to give them proper trees wanted to first year was trim only to give them proper trees is wanted to fit is better to buy the smaller sizes, as they will stand heading off down low short. A little goes a long way, so only a few need be grown for home trees severely every spring, but all the other fruit trees was trim only to give them proper trees. way to trim a newly planted truit tree
ranging all the way from those who
trees we trim only to give them proper
ranging all the way from those who
trees we trim only to give them proper
Garlio sets are catalogued by seeds crossed limbs.

Grapes like a warm, loose, well two or three buds. Most fruit growers drained sell. Plant in rows six to eight compound bulb. will agree on a few points—that in apfeet apart and six to twelve feet apart in the row. For garden culture it is one to plant the bulbs whole, about customary to plant closer, according half their depth in rows a foot apart, to the room one has to the room one has.

At planting cut back to three or four in figs. 1 and 2, from which each suc- a foot apart. seeding year canes are allowed to grow Garlie is hardy and grows on any to bear the season's fruit. The winter well drained soil, and may be set out following fruiting, these canes that as soon as the ground can be made bore the last crop are cut back to within two or three buds from the arm, and the next spring one bud is allowed to grow from each joint. In trimming always develop the fruit time to time, but the main crop intended for preservation through the shoots or canes from a point as near tended for preservation through the the arm as possible so as to keep the winter should be allowed to come to "spure" shown in fig. 1 as low down maturity. This is indicated by the

In all grape trimming bear in mind of August.

In harves

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Ask your dealer and if he can-

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Garlio is always in demand for fia-

men at 40 to 50 cents a pound. These sets or cloves are divisions of the

nine inches between each bulb. The more common method is to remove the buds. Allow only the two strongest small corms or cloves that form the buds to grow, these the following year bulb and are hidden by the skin and being attached to the lower wire of the plant in drills about two inches deep, trellis and becoming the arms shown nine inches between the bulbs in rows

leaves turning yellow about the middle

In harvesting pull up the bulbs by the stalks and let them lie exposed to the sun for a few hours, after which the dried stems are braided or tied in bundles and the bulb, put away in cool, airy place where they can be

kept until the following spring.
Garlio was formerly largely used in wonderful virtues to it, and it is still largely used in southern Europe as a cough remedy. The juice is said to make a good cement for mending

#### CLEMATIS.

portant part of its culture. Some for a moderate figure.

In the rhizomatous section there are young growths of the same season as clematis jackmanni and all of that class, while others flower on the many colors and shades, including the class, while others flower on the many colors and shades, including the beautiful Japanese, or Kaempferi, tured shoots of the previous season's which are suitable for moist places.

In the rhizomatous section there are flowering kinds a bed can be made that will furnish these beautiful winter.

Speaking at the Agricultural Club.

Speaking at the Agricultural Club.



An old fashion garden, looking toward the entrance.

# A Long Iris Season---Ferns---Preserving Wooden Labels

had in an iris bed by planting many and their markings wonderful. and no plants are more easily grown. flower over a long period. The latest productions are always high If the gardener is not familiar with for two reasons. Those in window in price, but some varities that were the varieties it will be advisable to gardens or living rooms are kept too

Types of Carrots

kinds. All the varieties are beautiful an iris bed can be made that will survive a fairly cool treatment, with

A chemist who is also an enthusiwooden labels in a solution of sulphate to become well saturated.

By this process insoluble sulphate were produced under glass. of lime is formed in the tissues of the

### FERNS.

for dead by amateur gardeners and fully appreciated by readers. of some of the adiantums, nephrolep- turist, illustrates the value of deep culsis. &c. The crowns of some of these ferns are inconspicuous and give the impression that they are dead and worthless. The nephrolepsis bear small bulbils down in the soil, which may when developed be potted near the surface, when they will start up again. 1, French Forcing; 2, Early Nantes; 3, Long Horn; 4, Intermediate; The evergreen ferns may be par-

dried off and given a short period of rest with benefit, removing

HOW TO GET GOOD FRUIT STOCK.

early and deal only with reliable nurserymen.

A long succession of bloom may be The size of the Japanese is immense, the dead fronds about the time the cases, however, including even the new fronds start.

scant water. Amateurs fall with ferns Pruning clematis is a very important part of its culture. Some for a moderate figure.

high a few years ago are quite as knows the varieties and their flowering dipping the fronds will help overcome season. By selecting the earliest flow-this, keeping the soil moist. In construction of the culture of the construction of the

> PRESERVING WOODEN LABELS. 80 Pall Mall, London, R. R. Robbins said recently: "Just sixty years ago the largest building for growing astic gardener recommends soaking Plants under glass was 200 feet by 20 feet, and was ridiculed as insanity of iron, allowing them to dry, after- frem a business point of view. But ward soaking them in a strong solu-tion of lime water. Allow the labels has an average production of £50,000 to remain in such vats long enough to become well saturated. firm sold 11,000 tons of tomatoes which

#### wood, which prevents decay taking IMPORTANCE OF DEEP CULTIVA- trol leaf curl and scale insects. TION.

The importance of deep cultivation, curl after the foliage appears.



is the selection of kinds of fruits and varieties of those kinds which A Lesson in Land Working. will do well in the locality where they are to be grown. While 1. Poverty. 24 Progress. 3, Prosmany of the long-established nurseries are selling their stock through traythinning, should be left untouched. eiling agents whose integrity is unquestioned, it is better as a rule for a

Other varieties flower chiefly on short, grower to deal directly with nurserymen than through agents. Place orders tivation as shown in the above illustration. Figure 1 shows the result In selecting varieties a prospective planter should avail himself of the from ordinary spadirk, one spade or suggestions of experienced fruit growers in his community or his State agrione spit deep. Figure 2 shows the cultural college. In Farmers' Bulletin 1001, recently published by the United result from properly fertilized deeply For the cool greenhouse clematis States Department of Agriculture, the country is divided into fourteen dis- dug soil. Figure 3 shows what may grown in pots or boxes makes an ex- tricts and the most desirable standard fruit varieties are given for each dis- be expected from properly fertilized soil that has been trenched, getting down and turning the soil over, working manure three feet deep, carefully keeping all the top soil on top. All crops are affected in a similar manner, and it is up to the gardener to determine whether good, better or hest results are to be obtained.

Sow hollyhock seed in a temperature of 60 degrees and pot off singly as soor as the plants are large enough. Grow the plants on in a somewhat lower temperature, finally hardening them off just before planting out. The plants will flower the first season.

"Hardening off" is a term used by florists to describe the process of gradpally exposing plants grown under glass to a lower temperature and more deners use and at very low prices, write fresh air until they are ready to set for our Big New 1919 Catalog. It will be out in the open ground.

Choice varieties of dablias that show igns of decay, if placed in heat will begin to grow, which will stop the Cuttings can be made and inserted in small pots. They will root quickly if placed in a warm case. A out new shoots, from which additional cuttings can be made.

Save broken pots. Keep them in box so they can be broken up and used for drainage when potting plants.

answer for rhododendcons. should be planted at the earliest moment the ground can be worked in the In clay soil work in leaf spring. mould liberally. Spray the foliage of the plants frequently the first season they are set out every day if pos-

# The Way to Get the Best Seeds and Plants

cultural and agricultural supplies advertise in the Farm and Garden Department of THE SUNDAY SUN. They

can be depended on.
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satisfaction.

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The same care will be exercised in announcements of all who misrepre-sent or fall to give their customers advertisement not absolutely up to the standard we have set should notify

#### "WHYS" OF HOME GROWN FRUIT:

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Because, if the proper varieties be selected, a continuous supply of fruit of superior quality may be secured regardless of market prices. Because any surplus usually can be sold without difficulty, or may be canned, evaporated or otherwise conserved for use when fresh fruit is not

Because the care of the home garden provides for spare time congenial and profitable occupation which is in reality recreation for those who enjoy seeing things grow.

The value of the honeybee as a fertilizing agent during fruit bloom, and the dependence of apple growers especially upon the activities of "the busy bee," are facts which are not well enough known. The work of the experiment stations in all parts of the country is proving beyond doubt that fruit culture and bee culture are mutually interdependent upon each other for the best results, according to Lloyd R. Watson, bee specialist of Connecticut Agricultural College.

Some varieties of apples, depending upon such conditions as weather, temperature, soil, age and vigor of that is, they must receive pollen from Other varieties of apples under similar conditions are usually self-fertile; that is, their own pollen is capable of making them set fruit. In all self-fertile varieties, it is now an established fact that larger and more perfect fruit result from blossom which receive pollen from some neigh-

The pollen grains from certain kinds of flowers like corn, goldenrod, ragweed and chestnut are light and powdery, and easily carried from one flower to another by the wind, but apple pollen is sticky and cannot be carried about by the wind. If i reaches another flower than that which it grew it must be carried by visiting insects. Bees and wasps are the most beneficial carriers of pollen, followed by files and butterflies, while moths and beetles add their unimportant contribution during the night

### SPRAY PEACH TREES.

Peach trees should be sprayed with lime sulphur at least two weeks before the buds open. The spray is to con-There is nothing that can be done

to prevent the development of leaf Deciduous ferns, those that lose before planting, has frequently been when to spray and what to spray Annual price 10 cents. It gives the turned out of their pots. This is true Alexander Dean, a British horticul- proper sprays for fruit and shade trees, bush fruits, shrubs and vegetables.

> Weeds in the lawn are easily re moved when the ground is soft in the early spring. Docks, dandelions, plantains and others out out deeply will give no further trouble. An asparagus knife, sold by seedsmen for 50 cents. makes a good weeder. There are also several weeders made especially for this work. Seeds of early flowering cosmos

sown now in a temperature of 60 degrees and transplanted once or twice before they are set out late in May will make sturdy plants that will com-

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growth, so that care is necessary and

the labels of the varieties should be

preserved or the names known. Jack-

manni may be cut down almost to

the ground and it will flower this

culata, except possibly for a little

mer and should be treated with special

care, removing the weaker shoots but

full length.

cellent climber.

leaving the strongest at almost their

year, but clematis montana and pani-

sive heating apparatus. A good kerosene oil heater, costing about \$5, will keep the temperature right in zero weather in a house 11 by 12 feet, and two heaters, one at each end, will keep the heat up when the thermometer outside drops considerably below zero.

Small coal burning hot water heaters are made for incubators and brooders and will serve the purpose as though made to order for these small greenhouses for those who wish to equip with hot water pipes and a coal heater. An arrangement of this kind makes a complete small greenhouse which will do everything on a smal scale that can be done in any greenhouse. The oil heaters give satisfaction, and small greenhouses fitted with no cutting or them afford great pleasure for their is made to fit. owners in various parts of the country. Some have extended the dwelling house system of heating to the greenhouse and this does away with practically all troubles of heating.

terial have proved servicable after forty | feet, &c.

and directions for erecting. There is 3 feet 7% inches. no cutting or sawing, as every piece inches wide and 12 feet 3 inches long. sash, \$155, or the framework and sash, Double glazed sash 3 by 6 feet are not painted and without glass, \$95. A laid on the roof and secured with a lean to house just half the width can removable attachment. The side sash, be had at half the price.

The side walls can be of frame, brick the glass, at moderate prices, sent by The houses are completed in the or concrete and as high as 215 feet mail or in quantities by freight. They factory and as far as possible assembly above the ground. The height of the are useful for both vegetables and bled for shipment. All hardware is sides of the greenhouse frame from flowering plants.

furnished, together with blue prints the bottom of the sill to the caves is The cost of the 10 by 12 greenhouse complete, with framework and double The smallest house is 10 feet 11 glazed sash, is \$180. With single glazed

Upies of S, as 15, 18, 21, 24, 27 or 30 lble. The Double Glass Sash Company supplies them in cypress wood, without

Any good soil free from lime will